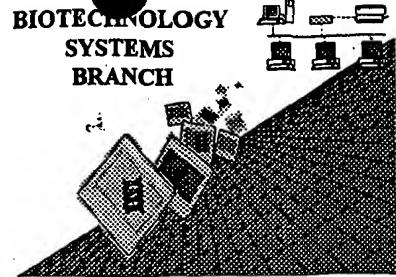




## RAW SEQUENCE LISTING ERROR REPORT



DW

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/869,198

Source: Pr/09

Date Processed by STIC: 7/9/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**  
**<http://www.uspto.gov/web/offices/pac/checker>**

## Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>09/869,198</u>
<b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE.</b>		
1 <input type="checkbox"/> Wrapped Nucleic Acid	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Acid Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represent	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rule)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/869,198

DATE: 07/09/2001  
TIME: 10:12:20

Input Set : A:\seqlistJAB1463PCTVegf-xseqlist.app.txt  
Output Set: N:\CRF3\07092001\I869198.raw

3 <110> APPLICANT: Gordon, Robert  
4 Sprengel, Jorg  
5 Yon, Jeffrey  
6 Dijkmans, Josiena  
7 Gosiewska, Anna  
8 Dhanaraj, Sridevi  
9 Xu, Jean  
11 <120> TITLE OF INVENTION: Vascular Endothelial Growth Factor-X  
13 <130> FILE REFERENCE: 51935/004  
15 <140> CURRENT APPLICATION NUMBER: US/09/869,198  
16 <141> CURRENT FILING DATE: 2001-06-21  
18 <150> PRIOR APPLICATION NUMBER: GB 9828377.3  
19 <151> PRIOR FILING DATE: 1998-12-22  
21 <150> PRIOR APPLICATION NUMBER: US 60/124,967  
22 <151> PRIOR FILING DATE: 1999-03-18  
24 <150> PRIOR APPLICATION NUMBER: US 60/164,131  
25 <151> PRIOR FILING DATE: 1999-11-08  
27 <160> NUMBER OF SEQ ID NOS: 97  
29 <170> SOFTWARE: PatentIn Ver. 2.0

Does Not Comply  
Corrected Diskette Needed

#### ERRORED SEQUENCES

1547 <210> SEQ ID NO: 97  
1548 <211> LENGTH: 308  
1549 <212> TYPE: DNA  
1550 <213> ORGANISM: Artificial Sequence  
1552 <220> FEATURE:  
1553 <223> OTHER INFORMATION: Description of Artificial Sequence: Human EST  
1555 <400> SEQUENCE: 97  
W--> 1556 cttccattcc ttttatttggaa gatggaaaata, aaaagcaact tatggaaatgtt gacatttcaga 60  
1557 tccagccat<sup>t</sup> actaacctat tccttttttg gggaaatctg agccttagctc agaaaaacat 120  
1558 aaagcacctt gaaaaagact tggcagcttc ctgataaagc gtgtgtgtgt gtgcagtagg 180  
1559 aacacatcct atttatttgg atgttgggt tttattatct taaactctgt tccatacact 240  
1560 tgtataaata catggatatt tttatgtaca gaagtatgtc tcttaaccag ttcacttatt 300  
1561 gtacctgg 308  
E--> 1564 (56)  
E--> 1567 (56)

delete at end of file

Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/869,198

DATE: 07/09/2001  
TIME: 10:12:22

Input Set : A:\seqlistJAB1463PCTVegf-xseqlist.app.txt  
Output Set: N:\CRF3\07092001\I869198.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:568 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:30  
L:568 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30  
L:568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:572 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:30  
L:572 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30  
L:572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:617 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:33  
L:617 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:33  
L:617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:688 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:38  
L:688 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:38  
L:688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:690 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:38  
L:690 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:38  
L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:718 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:40  
L:718 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:40  
L:718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:719 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:40  
L:719 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:40  
L:719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:721 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:40  
L:721 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:40  
L:721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:765 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:43  
L:765 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:43  
L:765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:766 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:43  
L:766 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:43  
L:766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:778 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:44  
L:778 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:44  
L:778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:779 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:44  
L:779 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:44  
L:779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:780 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:44  
L:780 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:44  
L:780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:781 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:44  
L:781 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:44  
L:781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:795 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:45  
L:795 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:45  
L:795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L:796 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:45

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/869,198

DATE: 07/09/2001  
TIME: 10:12:22

Input Set : A:\seqlistJAB1463PCTVegf-xseqlist.app.txt  
Output Set: N:\CRF3\07092001\I869198.raw

L:796 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:45  
L:796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L:821 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:47  
L:821 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:47  
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:850 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:49  
L:850 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:49  
L:850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:854 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:49  
L:854 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:49  
L:854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:880 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:51  
L:880 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:51  
L:880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51  
L:884 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:51  
L:884 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:51  
L:884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51  
L:930 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:54  
L:930 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:54  
L:930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54  
L:1031 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:61  
L:1031 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:61  
L:1031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61  
L:1033 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:61  
L:1033 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:61  
L:1033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61  
L:1046 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:62  
L:1046 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:62  
L:1046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62  
L:1050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62  
L:1065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63  
L:1122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67  
L:1124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67  
L:1136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68  
L:1137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68  
L:1139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68  
L:1194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72  
L:1208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73  
L:1241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:1242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:1255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76  
L:1269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77  
L:1270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77  
L:1271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77  
L:1272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77  
L:1284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78  
L:1285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78  
L:1301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78  
L:1312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/869,198

DATE: 07/09/2001  
TIME: 10:12:22

Input Set : A:\seqlistJAB1463PCTVegf-xseqlist.app.txt  
Output Set: N:\CRF3\07092001\I869198.raw

L:1313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80  
L:1316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80  
L:1329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81  
L:1330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81  
L:1356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83  
L:1564 M:254 E: No. of Bases conflict, LENGTH:Input:56 Counted:308 SEQ:97  
M:254 Repeated in SeqNo=97